

# Purchase Order Receipt Listing

Monday, May 16, 2016 10:10:25 AM

All Vendors PO ID PO32341 Receipt Dates from 5/13/2016 to 5/13/2016 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

All amounts are calculated in domestic currency.

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO32341 CAD	1	No	M174R0.750 17-4 round bar .750 f m134776		5/18/2016 24.0000	5/13/2016 PLOU01	24.0000	\$5.35 \$128.39	0.0000 0.0000	0 0	\$128.39
	2	No	M303R0.375 303 Round Bar 0.375" f m134776		5/18/2016 24.0000	5/13/2016 PLOU01	24.0000	\$1.49 \$35.86	0.0000 0.0000	0 0	\$35.86
	3	No	M303R0.750 303 Round Bar 0.750 f m134776		5/18/2016 48.0000	5/13/2016 PLOU01	48.0000	\$3.17 \$152.24	0.0000 0.0000	0 0	\$152.24
	4	No	M303R2.000 303 ROUND BAR 2" f m134776		5/18/2016 13.2000	5/13/2016 PLOU01	13.2000	\$15.32 \$202.17	0.0000 0.0000	0 0	\$202.17
	6	No	M6061T6B0.750X03. f 000 6061-T6 Bar .750 x f 3.00 m134776		5/18/2016 12.0000	5/13/2016 PLOU01	12.0000	\$4.89 \$58.65	0.0000 0.0000	0 0	\$58.65
	7	No	M6061T6B00750X00 f .125 6061-T6 Bar .750 x f .125 m134776		5/18/2016 60.0000	5/13/2016 PLOU01	60.0000	\$0.76 \$45.42	0.0000 0.0000	0 0	\$45.42
	8	No	M6061T6B1.000X04. f 000 6061-T6 Bar 1.00 x f 4.00 m134776		5/18/2016 12.0000	5/13/2016 PLOU01	12.0000	\$9.30 \$111.60	0.0000 0.0000	0 0	\$111.60
	9	No	M6061T6B1.250X01. f 250 6061-T6 Bar 1.25 x f 1.25 m134776		5/18/2016 12.0000	5/13/2016 PLOU01	12.0000	\$3.47 \$41.60	0.0000 0.0000	0 0	\$41.60

Order ID/ Curr Type	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date	Rev Date/ Emp	Rev Qty (PO U/M)	Cost Per Unit/ Rev Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name PO32341	10	V-COP001 Thyssenkrupp Materials CA Ltd								
CAD	No	M6061T6B1.250X04. f 500 6061-T6 Bar 1.25 X 4.50 m134776		5/18/2016 5/13/2016 12.0000 PLOU01		(12.0000)	\$11.80	0.0000	0	\$141.65
	11	M6061T6B1.500X02. f 500 6061-T6 Bar 1.50 x 2.50 m134776		5/18/2016 5/13/2016 12.0000 PLOU01		(12.0000)	\$8.97	0.0000	0	\$107.58
	12	M6061T6B2.000X08. f 000 6061-T6 BAR 2.00' f X 8.00" (CUT IN 4FT SECTION) m134776		5/18/2016 5/13/2016 8.0000 PLOU01		(8.0000)	\$38.32	0.0000	0	\$306.58
	13	M6061T6B2.500X03. f 500 6061-T6 Bar 2.50 x 3.50 m134776		5/18/2016 5/13/2016 12.0000 PLOU01		(12.0000)	\$18.38	0.0000	0	\$220.54
	14	M6061T6R0.500 f 6061-T6 Round Bar .500" m134776		5/18/2016 5/13/2016 24.0000 PLOU01		(24.0000)	\$1.51	0.0000	0	\$36.34
	15	M6061T6R0.625 f 6061-T6 Round Bar .625" m134776		5/18/2016 5/13/2016 12.0000 PLOU01		(12.0000)	\$2.99	0.0000	0	\$35.86
	16	M6061T6R1.000 f ROUND BAR 1.00" m134776		5/18/2016 5/13/2016 12.0000 PLOU01		(12.0000)	\$2.99	0.0000	0	\$35.86
	17	M6061T6R1.500 f 6061-T6 Round Bar 1.50 m134776		5/18/2016 5/13/2016 12.0000 PLOU01		(12.0000)	\$3.88	0.0000	0	\$46.62

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Purchase Order Receipt Listing

Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
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Total Received Quantity:	309,2000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$1,706.97
Total Balance Due Quantity:	0.0000

Monday, May 16, 2016 10:10:25 AM

Purchase Order Receipt Listing

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
TOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 1 ... Continued

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5G6  
Tel: 905 669 9444 Fax: 905-738-9033  
Ship To: ( 1 )  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 991029  
Ship Date 13May16 at 11:03 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0 - 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 )  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

1) Our Order PEC-927459-1 Your PO # 32341  
STAINLESS STEEL ROUND BAR 17-4 STAINLESS  
Heat Number Tag No  
266870 531203

2) Our Order PEC-927459-2 Your PO # 32341  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
Heat Number Tag No  
X0V0 531204

3) Our Order PEC-927459-3 Your PO # 32341  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
Heat Number Tag No  
VBMU-5630 531205

4) Our Order PEC-927459-4 Your PO # 32341  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
Heat Number Tag No  
Y6E5 531206

5) Our Order PEC-927459-5 Your PO # 32341  
STAINLESS STEEL FLAT BAR 304L SLIT/EDGED  
Heat Number Tag No  
1416283 531207

Quantity 12 FT  
PCS 1  
Wt LBS 42

MTR

Quantity 2.0000"  
PCS 1  
Wt LBS 140

MTR

Quantity 48 FT  
PCS 4  
Wt LBS 72

MTR

Quantity 24 FT  
PCS 2  
Wt LBS 9

MTR

Quantity 24 FT  
PCS 2  
Wt LBS 36

MTR

Colt 8516

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
TOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Quantity	PCS	Wt LBS
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Quantity 12 FT  
PCS 1  
Wt LBS 80

Quantity 12 FT  
PCS 1  
WT LBS 23

Quantity 12 FT  
✓ Pcs 1  
WT LBS 57

Quantity

12 FT 1 31

MTD

B I T L O F L A D I N G

(T )

B I L L O F L A D I N G

I N G  
 Ship Date 13May16 at 11:03 From PFW  
 No: PEC 991029  
 Probill  
 via VIM DELIVERY  
 FOB CONCORD  
 FRT PREPAID  
 Route 0 - 0 Manifest  
 Vehicle Trailer  
 SLP STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE

IN G  
Shp Date 13May16 at 11:03 From PFW  
No: PEC 991029  
Probi11

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 3 ... Continued

MTR

8/6-05-16

1.50" DIA X 144.0000"  
ALUMINUM ROUND BAR 6061-T6511  
17) Our order PEC-927459-17 Your PO # 32341

Heat Number 200216231  
Tag No 531217  
Quantity 12 FT  
PCS 1  
Wt LBS 11

1.00" DIA X 144.0000"  
ALUMINUM ROUND BAR 6061-T6511  
16) Our order PEC-927459-16 Your PO # 32341

Heat Number 596954  
Tag No 531216  
Quantity 12 FT  
PCS 1  
Wt LBS 5

.625" DIA X 144.0000"  
ALUMINUM ROUND BAR 6061-T6511  
15) Our order PEC-927459-15 Your PO # 32341

Heat Number 64732-109  
Tag No 531215  
Quantity 24 FT  
PCS 2  
Wt LBS 6

1.50" DIA X 144.0000"  
ALUMINUM ROUND BAR 6061-T6511  
14) Our order PEC-927459-14 Your PO # 32341

Heat Number 201602943  
Tag No 531214  
Quantity 12 FT  
PCS 1  
Wt LBS 125

2.50" X 3.50" X 144.0000"  
ALUMINUM FLAT BAR 6061-T6511  
13) Our order PEC-927459-13 Your PO # 32341

Heat Number 201602869  
Tag No 531251  
Quantity 8 FT  
PCS 2  
Wt LBS 151

2.00" X 8.00" X 48.0000"  
ALUMINUM FLAT BAR 6061-T6511  
12) Our order PEC-927459-12 Your PO # 32341

Heat Number 191718-2  
Tag No 531213  
Quantity 12 FT  
PCS 1  
Wt LBS 53

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033  
Ship To: ( 1 ) DART AEROSPACE  
Ship Date 13May16 at 11:03 From PFW  
No: PEC 991029  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0-0 Manitest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 ) DART AEROSPACE

B I L L O F L A D I N G



TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.  
TOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

DATE

Page: 4 ... Continued

TOTAL 1 SKID, 2 BDLs GW. 915 LBS

ALL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.  
ATTN: CHANTAL/LINDA  
\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

Heat Number  
1416283  
191717-7  
191718-2  
201601833  
201602869  
201602943  
201605644  
266870  
423608-1  
596954  
54732-109  
VBMU-5630  
KOV0  
Y6E5  
200216231  
200219150  
200262325

\*\*\* Chemical Analysis \*\*\*

Heat Number 200262325  
Tag No 531218  
Quantity 12 FT  
PCS 1  
WT LBS 25  
TOTAL: Tags 17 PCS 26 LBS 873

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033  
Ship To: DART AEROSPACE (1)  
DART AEROSPACE  
Ship Date 13May16 at 11:03 From PFW  
No: PEC 991029  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0 - 0 Manifest  
Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: (20115)  
DART AEROSPACE

B I L L O F L A D I N G

DATE \_\_\_\_\_

3. 1980

B I L L O F L A D I N G

B I L L O F L A D I N G

Ship From: THYSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

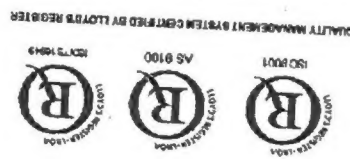


# THYSSENKRUPP MATERIALS NA

**DART AEROSPACE**  
 STAINLESS STEEL ROUND BAR 17-4 STAINLESS  
 PART NO. 750" DIA X 144.000"

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

**CERTIFICATO DI COLLAUDO**  
**ABNAHMEPRUEFZEUGNIS**  
**INSPECTION CERTIFICATE**  
**CERTIFICAT DE RECEPTION**  
 EN 10204 (2004), 3.1



**Avviso di Spedizione:** D-V150222085  
**Linee di spedizione:** L  
**Conferma ordine nr:** E15001310  
**Conferma ordine nr:** MEST733693/2015/  
**Marchio di fabbrica:**  
**Tracce metal:**  
**Punzone dei Collaudatori:**  
**Stampa dei Marchi:**  
**Sei o sei a disposizione di:**  
**MR**

**Stato di fornitura:** Hot rolled - COND. A Peled  
**Prodotto:** ACCIAIERIE VALBRUNA S.P.A.  
**Clienti / Distributori:** VALBRUNA CANADA LTD  
 8724 HOLGATE CRESCENT  
 L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA  
**Stabilimento:** 39100 BOLZANO (Italia) - Via A. Volta, 4/37  
 Telefono 0444.908211 - Fax 0444.908306  
 39100 VICENZA (Italia) - Viale della scienza, 25 Z.I.  
 Telefono 0444.908211 - Fax 0444.924497

**Acciaierie Valbruna s.p.a.**

Pos. nr.	Daggio	0030	Round	0.7500	145/146	266870	1.929	433607180
Pos. nr.	Daggio	0030	Round	0.7500	145/146	266870	1.929	433607180
Pos. nr.	Daggio	0030	Round	0.7500	145/146	266870	1.929	433607180

TEST	Valori richiesti	min	max	TEST	Valori richiesti	min	max
TEST	Valori richiesti	min	max	TEST	Valori richiesti	min	max

TEST	Valori richiesti	min	max	TEST	Valori richiesti	min	max
TEST	Valori richiesti	min	max	TEST	Valori richiesti	min	max

TEST	Valori richiesti	min	max	TEST	Valori richiesti	min	max
TEST	Valori richiesti	min	max	TEST	Valori richiesti	min	max

Sono state soddisfatte tutte le condizioni richieste

Le macchine e i loro componenti sono stati verificati e approvati  
770. Le macchine sono state verificate e approvate  
Le macchine e i loro componenti sono stati verificati e approvati

Controlli antimiscelazione: OK

Verifica della presenza di gas nocivi  
Verifica della presenza di gas nocivi  
Verifica della presenza di gas nocivi

Controlli vibrazioni e dimensioni: soddisfatto

Controlli vibrazioni e dimensioni: soddisfatto

Verifica della presenza di gas nocivi  
Verifica della presenza di gas nocivi  
Verifica della presenza di gas nocivi

Metodi e materiali utilizzati in fabbrica

No welding or weld repair

Materiale free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System which it leaves the production plant.

Any act of tampering, modification, alteration, counterfeiting and/or falsification under any other action which modifies the characteristics of this last certificate shall constitute a violation of applicable civil and criminal laws. Accolarte Valturna SpA shall protect its rights and interests before any competent court, authority and jurisdiction.

Machinability.  
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by the Purchaser. Accolarte Valturna SpA shall not be responsible for any improper use of the product.  
Requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser, more than those the material is generally intended for, any different and/or supplementary products.

Material is DFARS Compliant

air cooled to below 90°F.

Material solution annealed 1904°F for 1 h,  
air cooled to below 900°F

Reduction ratio = 103.2 : 1

Furnace calibrated according to AMS-H-6875; A:APRIL 2006  
Reduction ratio = 103.2 ± 1

Macroetch test per ASTM E340: acceptable

Produced without class III ozone depletion.

Micro and macro etch test: satisfactory

0.292	0.285	0.288/0
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[illegible]

## Analisi chimica

Punto del Collatore:  
 Sempre da Montecavalleggio  
 Inspector's Mountain de l'Imagier

MR



Certificato nr. MEST733693/2015/  
 Conferma ordine nr. E145001310

Avviso di Spedizione:  
D-M15022085

Orderline nr: 502005152 Stock - Canada  
 our order

tipo di Elaborazione: E+AOD

Stato di fornitura :  
 Instruzioni / Delivery note  
 Hot rolled - COND. A peeled  
 Redded/polished

Produttore: ACCIAIERIE VALBRUNA S.P.A.  
Lavoratori: 1000 persone

LST 521 - MILTON, ONT LST 521 - CA

VALBRUNA CANADA LTD  
8724 HOLGATE CRESCENT

Client / Buyer / Purchaser / Client

C.A. BOLZANO (Italia) - Via A. Volta, 4/37  
 Telefono 0471.924111 - Fax 0471.924497

Telefono 0444.988211 - Fax 0444.983838  
Slab.: 39100 BOLTANO (TN) - 15/11/95

36100 VICENZA (Italia) - Viale della scienza 25-1

**Acciaierie  
Valbruna S.p.A.**



QUALITY MANAGEMENT SYSTEM CERTIFIED BY Lloyd's REGISTER

CERTIFICATO DI COLLAUDO  
ABNAHMEPRUEFZEUGNIS  
INSPECTION CERTIFICATE  
CERTIFICAT DE RECEPTION  
EN 10204 (2004) , 3.1

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

PO/R# 32341

THYSSENKRUPP MATERIALS NA

STAINLESS STEEL ROUND BAR 17-4 STAINLESS  
750" DIA X 144.0000"  
PART NO.

PART NO.

Signed by:

BL PEC-991029-001

**Certificate of Mill Test Results**  
BL PEC-991029-001  
13May16  
Pg 2/2

BL PEC-991029-003

Signed by:

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

# THYSSENKRUPP MATERIALS NA

PO/Rd 32341

DART AEROSPACE  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
.750" DIA X 144.0000"

## MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

Customer: COPCON PO#PEC-264076 SO#LERV20

Item:RB03AC0048 Bundle:2VW1349 Heat#:VBMU-5630

MTR#:SUMMIT\_2VW1349.

This MTR contains 1 page (Page# 1)

**VENUS**  
ISO 9001:2008 CERTIFIED

INSPECTION/MILL QUALITY CERTIFICATE  
EN 10204 TYPE 3.1  
M/S. SUMMIT STAINLESS STEEL, LLC.

CUSTOMER: M/S. SUMMIT STAINLESS STEEL, LLC.  
INVOICE NO.: PM/04/KP/2013-2014  
PRODUCT FORM: STAINLESS STEEL BRIGHT BARS  
DIMENSIONS/COMPOSITION: 3/4" ANNEALED  
IDENTIFICATION: 100011K

SPECIFICATION: ASTM A587/A592M-12, AMS 5840 TYPE 1, Q0574B AND 2  
PROCESS: ANNEALED, COLD DRAWN, CHNF. GROUND & POLISHED

ELEMENTS		RESULTS	
MIN	MAX	MIN	MAX
C% 5.1%	5.1%	C% 5.1%	5.1%
Mn% 1.0%	1.0%	Mn% 1.0%	1.0%
P% 0.036	0.036	P% 0.036	0.036
S% 0.036	0.036	S% 0.036	0.036
Si% 0.300	0.300	Si% 0.300	0.300
Cr% 17.00	17.00	Cr% 17.00	17.00
N% 0.10	0.10	N% 0.10	0.10
Mo% 0.00	0.00	Mo% 0.00	0.00
Cu% 0.750	0.750	Cu% 0.750	0.750
Al% 0.00	0.00	Al% 0.00	0.00
Nb% 0.00	0.00	Nb% 0.00	0.00
As% 0.00	0.00	As% 0.00	0.00
Se% 0.00	0.00	Se% 0.00	0.00
Co% 0.00	0.00	Co% 0.00	0.00

MECHANICAL PROPERTIES

TEST	RESULT
TENSILE (MPa)	75000
YIELD (MPa)	30000
ELONGATION (%)	40
HARDNESS (HRC)	26

REMARKS: MATERIAL IS FREE FROM HAZARDOUS CONTAMINATION  
TESTED FROM RADIOACTIVE CONTAMINATION AND FOUND SATISFACTORY.  
VISUAL & DIMENSIONAL INSPECTION FOUND SATISFACTORY.  
NO WELDING PERFORMED.  
HOT REDUCTION RATIO: 1:7.95  
THE ABOVE MATERIAL IS TESTED AND CONFORMS TO (BEARING SHAFT QUALITY) CUSTOMERS SPECIFICATION  
COUNTRY OF ORIGIN: INDIA  
CUSTOMER ORDER NUMBER: VW22543  
PLANT: ATKARGAON, TAKAI APOSHI ROAD, KHALIMA, KHAMBOI-410203  
Phone: +91(219)384-8000/203403/262413 Fax: +91(219)384-8000/203403/262413  
For any information, query please quote Invoice No. or TC No. / Invoice No. & Bundle No.

DATE: 23/10/2013  
WORK INSPECTOR: VIJAS CHAUDHARY

# THYSSENKRUPP MATERIALS NA PART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS  
2.00" DIA X 158.0000"

PO/Ref 32341

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Certificate of Mill Test Results  
13 May 16  
BL PEC-991029-004  
Pg 1/1



North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

Certificate: 167301 5

Mail To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Ship To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 4/19/2016 Page: 1

Steel: 303

Finish: ST

Your Order: PEC273957

NAS Order: PN 0064988 09

## PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished  
UNS 30306, ASTM A582/12, EN 10204 3.1, ASTM A484/13a  
AMS 5640V TYPE 1, Q08-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

## REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE  
2011/55/EU. ROHS. EAF+ROD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH8780 1		2.0000		837	144.00	5	1	

## CHEMICAL ANALYSIS

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CO %	CR %	CU %	MS %	MO %	N %	NI %	P %
6025	08	.0372	.1310	17.0055	.2260	1.8560	.2625	.0379	8.4510	.0250

S % .3195  
SI % .6465

## MECHANICAL PROPERTIES

Product Id	1 d	0 1	ED	2Y8	UTS	RA	Elong
BH8780 1	C %			KSI	KSI	%	% 4D
	R L	170.0	48.00	87.00	56.00	44.00	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

*[Signature]*

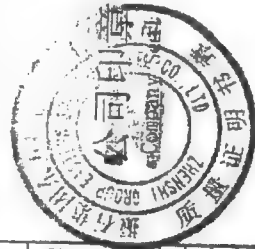


振石集团东方特钢股份有限公司  
ZHENSHI GROUP EASTERN  
SPECIAL STEEL CO., LTD

产品质量证明书  
INSPECTION CERTIFICATE

公司地址: 浙江省嘉兴市南湖区新丰镇经济开发区  
ECONOMIC DEVELOPMENT ZONE NINFENG COUNTRY, NANHU  
DISTRICT, JIAXING CITY 314005, ZHEJIANG PROVINCE.

订货单位 CUSTOMER	GLOBAL STAINLESS STEEL, INC.		产品名称 PRODUCT	不锈钢热轧钢板 HOT-ROLLED STAINLESS STEEL PLATES	证书号 CERTIFICATE NO.	1501284003	
收货单位 PURCHASER	GLOBAL STAINLESS STEEL INC.		合同号 CONTRACT NO.	GMVY09114015	交货日期 DATE OF DELIVERY	4-Jan-15	
钢号 TYPE	304L		发票号 INVOICE NO.	ESSD20100073	签发日期 DATE OF ISSUE	28-Jan-15	
标准 SPECIFICATION	ASTM A240M-13a		交货状态 DELIVERY STATUS	NO. 1	信用证号码 L/C No.		
钢卷/板号 COIL/PLATE NO.	炉号 HEAT NO.	规格及重量 MATERIAL DESCRIPTION	厚度 THICK	宽度 WIDTH	长度 LENGTH	件数 NUMBER	重量 WEIGHT
1	1141628301003-120	1416283	4.75	1500	3658	118	23907
2	114162830203-11	1416283	12.70	1530	3658	9	5077
3	114162830303-85	1416283	6.60	1500	3658	82	23489
4	114162830403-57	1416283	9.53	1500	3658	55	22638
5	114162830202	1416283	12.70	1530	3658	1	564
合计(TOTAL)						265	75675
钢卷/板号 COIL/PLATE NO.	抗拉强度 (T.S.)	屈服强度 (Y.S.)	断后伸长 (EL.)	硬度 HARDNESS	弯曲 BEND	冲击 IMPACT	晶向腐蚀 INTERGRANULAR CORROSION TEST
1	650	269	63	84	83		
2	630	305	89	84	83		
3	660	310	86	85	84		
4	637	292	67	87	86		
5	630	305	69	84	83		
备注 REMARKS	1. 本产品已通过 ISO9001 质量认证许可 (THE PRODUCTS HAVE PASSED THE ISO9001 QUALITY CERTIFICATION LICENSE.) 2. 请保证以上所有内容符合标准 (WE HEREBY CERTIFY THE ABOVE STATEMENT TO BE TRUE AND CORRECT IN EVERY DETAIL.) 3. 热处理 (HEAT TREATMENT): SOLUTION 1050-1100°C. QUENCHING IN WATER						
注释 NOTES	TR: (Transverse) 横向; L: (Longitudinal) 纵向; DIR: (Direction) 方向; T: (Thickness) 厚度; TFM: (Temperature) 温度; BL: (Bend) 弯曲; Y.S.: (Yield Strength) 屈服强度; T.S.: (Tensile Strength) 抗拉强度; A.E.: (Absorbed Energy) 吸收能量; AVE.: (Average) 平均						



质量负责人  
QUALITY MANAGER  
[Signature]

# THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results  
Pg 1/1  
13 May 16

CERTIFIED TEST REPORT  
<http://Online.KaiserAluminum.com>

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Best in Class*

DART AEROSPACE  
ALUMINUM FLAT BAR 6061-T6511  
750" x 3.00" x 144.0000"

PO/Rd 32341  
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: *[Signature]*

BL PEC-991029-006

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-273675-11		CUSTOMER PART NUMBER: 448/STK	
SHIP DATE: 03/15/2016	SHIP ORDER NUMBER: 011	QUANTITY: 48,000 PCS	SHIP TO: 1524.000 LB
KAISER LOT NUMBER: 6061	ALLOY: 6061	WIDTH: 750"	LENGTH: 12,000 FT
PRODUCT DESCRIPTION: 750 X 3.000 SC RECT BAR			
THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			

## Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z0C219150	0001	C001	45.2	42.1	19.9	RE 91	N/A	N/A
Z0C219150	0001	C002	44.8	39.5	17.5	RE 92	N/A	N/A
Z0C219150	0001	C003	44.7	39.5	17.7	RE 93	N/A	N/A
Z0C219150	0001	C004	44.7	39.3	18.5	RE 93	N/A	N/A
Z0C219150	0001	C005	45.0	40.1	20.4	RE 92	N/A	N/A

## Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ba	Tot
Maximum	0.60	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.03	0.80	0.04	0.00	0.02	NA	NA	NA	0.00	0.00
LC6016	.57	.25	.19	.03	.81	.06	.04	.02	.00	.00	.00	.01	.03

## Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II (AMS-QQ-A-200/8A) UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

## Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

## CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

*Almco L. Macnowski*  
Almco L. Macnowski, Quality & Technology Manager

Plant Serial: 00221780  
Kaiser Order Number: 6004148  
Line Item: 011



We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

**CAN ART**  
 ALUMINUM EXTRUSION INC.

**Material Test Report**

Ship To: ThyssenKrupp Materials NA  
 2821 Langstaff Road  
 Concord, ON L4K 5C6  
 Manifest: 307618  
 Ticket: 5472026

Our Order: **423608 - 1**  
 Die: ES05485  
 Part: 05485-000-240  
 Description: **.125 x .750**  
 Print Date: 4/20/16

6061	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other Each	Other Total
Min	0.40	0.15	0.15	0.8	0.04					
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield	2% Offset	Elongation 2" gage length
421899	3B2324	A11	4/14/16	38.53	35.76		9.1

**Mechanical Properties**

Strength ksi

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Siddharth Desai - Tensile Testing  
 Authorized:

Evan Eng, Quality Assurance Manager

Applicable Specifications: **ASTM B221-14**  
**AMS-QQ-A200/8**  
 Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
1.00" x 4.00" X 144.000"

PART NO.

PO/Rel 32341

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-991029-008

13May16

Pg 1/1



TEL: (416)745-4444 FAX:(416)745-0925 1-800-668-7210  
411CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4  
http://www.extrudex.com

### MILL TEST

BILL TO THYSSENKRUPP MATERIALS,NA	CERT CODE: 9	DIE NUMBER S 4657	DATE OF SHIPMENT Apr/07/2016	EXTRUDEX ORDER NO. 191717 - 7	MANIFEST NO. 346717
SHIP TO THYSSENKRUPP MATERIALS,NA	CUSTOMER PO PEC-274010	ALLOY 6061	SALESMAN FORBES DODWELL		
SO DESCRIPTION 1"x4" FB	CUSTOMER PART NUMBER 4657-S	TEMPER T6511			
		PART DESCRIPTION 1"x4" FB			

### Mechanical Properties

Lot Alloy 6061

### Chemical Composition

Cast Number 32149  
Lot Alloy A.12 6061

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
Apr/06/2016	43.50	40.50	13.40	89.6, 89.8, 89.3	

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Pb	Sn	Sr	Co	Al	Other
0.57	0.216	0.213	0.051	0.84	0.053	0.0055	0.0054						Remainder

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

*David Natale*

David Natale  
Quality Control Manager

1 - CUSTOMER COPY

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
1.250" x 4.50" x 144.0000"

PART NO.

PO/Rel 32341

We certify that this is a true copy of the report furnished by the producer of the material, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

Signed by:  BL PEC-991029-010  
13 May 16  
Pg 1/1



**Service Center Metals**

5850 Quality Way  
Prince George, VA 23875

Can Do.

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

BILL TO ThyssenKrupp Materials NA-Concord, ON	MANIFEST NUMBER 290362	DIE NUMBER MRB1771	DATE OF SHIPMENT 3/31/2016	OUR ORDER NUMBER 258982	ITEM 7
SHIP TO ThyssenKrupp Materials NA-Concord, ON	CUSTOMER PO PEC-274001	ALLOY/TENNER 6061-T6511	SALES PERSON D Schroeder (Canada)	CERTIFICATION ASTM-B221-14 StencilCont	
Quantity Certified 961 lbs 12 pcs	CUSTOMER PART NUMBER MRB1771	DESCRIPTION MCRB 1.250x4.500		SPECIFICATION AMS-QQA-200/8 - 1997	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

### Mechanical Properties

Tests	Lot No.	Test Date		Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
		min	max	min	max	min	max	min	max
2	201605644	50.50	51.70	47.20	48.40	13.20	13.50		

603 16/05/17

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others Each	Total	Melt Source
03041803	201605644	6061	0.72	0.37	0.30	0.10	0.88	0.09	0.07	0.02	97.45	0.05	0.15	United States of America

SCM extrusions are manufactured in the USA.

  
Calvin J. McGinnis, Director of Quality & Technical

# THYSSENKRUPP MATERIALS NA

**DART AEROSPACE**  
ALUMINUM FLAT BAR 6061-T6511  
2.00" X 8.00" X 48.0000"  
PART NO.

PO/Ref 32341

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

**Certificate of Mill Test Results**  
13 May 16  
Pg 1/1  
Signed by: *[Signature]*  
BL PEC-991029-012



**Service Center Metals**  
5850 Quality Way  
Prince George, VA 23875

**Can Do.**

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

<b>BILL TO</b> ThyssenKrupp Materials NA-Concord, ON SHP TO	<b>MANIFEST NUMBER</b> 286269	<b>DIE NUMBER</b> MRB1859	<b>DATE OF SHIPMENT</b> 2/24/2016	<b>OUR ORDER NUMBER</b> 254492	<b>ITEM</b> 4
<b>CUSTOMER PO</b> PEC-272908	<b>SALES PERSON</b> D. Schroeder (Canada)	<b>REWORK/REPAIR</b> 6061-T6511	<b>CERTIFICATION</b> ASTM-B221-14 StencilCont SPECIFICATION AMS-QQA-200/8 - 1997 RoHS 2011/65/EU Compliant		
<b>CUSTOMER PART NUMBER</b> MRB1859	<b>DESCRIPTION</b> MQRB 2.000 x 8.000				

**Quantity Certified** 912 lbs 4 pcs

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

### Mechanical Properties

Tests	Lot No.	Test Date		Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
		min	max	min	max	min	max	min	max
1	201602869	52.90	52.90	49.90	49.90	15.62	15.62		

*Handwritten: 16/05/17*

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	AL	Each	Total	Others	Melt Source:
02121603	201602869	6061	0.74	0.39	0.30	0.10	0.89	0.08	0.10	0.02	97.38	0.05	0.15		United States of America
12141502	201602869	6061	0.73	0.34	0.30	0.09	0.88	0.09	0.05	0.02	97.50	0.05	0.15		United States of America

SCM extrusions are manufactured in the USA.

*[Signature]*

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
2.50" x 3.50" x 144.0000"

PART NO.

PO/Rel 32341

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-991029-013

Signed by:

13 May 16  
Pg 1/1



**Service Center Metals**

5850 Quality Way  
Prince George, VA 23875

**Can Do.**

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

BILL TO

ThyssenKrupp Materials NA-Concord, ON

SHIP TO

ThyssenKrupp Materials NA-Concord, ON

Quantity Certified 1,120 lbs 9 pcs

MANIFEST NUMBER

286269

CUSTOMER PO

PEC-272908

CUSTOMER PART NUMBER

MRB0440

ONE NUMBER

MRB0440

ALLOY/TENSPER

6061-T6511

DESCRIPTION

MQRB 2.500x3.500

DATE OF SHIPMENT

2/24/2016

SALES PERSON

D. Schroeder (Canada)

OUR ORDER NUMBER

254492

ITEM

5

CERTIFICATION

ASTM-B221-14 StencilCont

SPECIFICATION

AMS-QQA-200/8 - 1997

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

### Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201602391	2/8/16	min 57.40 max 57.40	min 53.80 max 53.80	min 13.96 max 13.96
1	201602943	2/19/16	min 51.80 max 51.80	min 48.80 max 48.80	min 14.55 max 14.55

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others Each	Total	Melt Source:
02121603	201602943	6061	0.74	0.39	0.30	0.10	0.89	0.08	0.10	0.02	97.38	0.05	0.15	United States of America
1K160201A	201602391	6061	0.74	0.37	0.33	0.10	0.88	0.10	0.05	0.02	97.42	0.05	0.15	United States of America

SCM extrusions are manufactured in the USA.

*Calvin J. Winans*

Calvin J. Winans, Director of Quality & Technical Services

Print Date: 2/24/2016





We certify that this is a true copy of the report  
 furnished by the producer of the metal, or data  
 resulting from tests made in approved labs.

CERTIFIED TEST REPORT  
<http://online.kaiserAluminum.com>

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

KAISER ALUMINUM  
 5205 KAISER DRIVE  
 KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-273678-1		SHIP DATE: 03/01/2016		QUANTITY: 138,000 PCS		SHIP TO: 2821 LANGSTAFF ROAD THYSSENKRUPP CANADA CONCORD, ON L4K 5C6 CANADA	
CUSTOMER PART NUMBER: 503/STK		SHIP DATE: 03/01/2016		QUANTITY: 138,000 PCS		SHIP TO: 2821 LANGSTAFF ROAD THYSSENKRUPP CANADA CONCORD, ON L4K 5C6 CANADA	
KAISER ORDER NUMBER: 001		SHIP DATE: 03/01/2016		QUANTITY: 138,000 PCS		SHIP TO: 2821 LANGSTAFF ROAD THYSSENKRUPP CANADA CONCORD, ON L4K 5C6 CANADA	
KAISER LOT NUMBER: 6061		SHIP DATE: 03/01/2016		QUANTITY: 138,000 PCS		SHIP TO: 2821 LANGSTAFF ROAD THYSSENKRUPP CANADA CONCORD, ON L4K 5C6 CANADA	
KAISER SELECT PRECISION ROD 1.000+/- .004		SHIP DATE: 03/01/2016		QUANTITY: 138,000 PCS		SHIP TO: 2821 LANGSTAFF ROAD THYSSENKRUPP CANADA CONCORD, ON L4K 5C6 CANADA	
PRODUCT DESCRIPTION: KAISER SELECT PRECISION ROD 1.000+/- .004		SHIP DATE: 03/01/2016		QUANTITY: 138,000 PCS		SHIP TO: 2821 LANGSTAFF ROAD THYSSENKRUPP CANADA CONCORD, ON L4K 5C6 CANADA	
PRODUCT DESCRIPTION: KAISER SELECT PRECISION ROD 1.000+/- .004		SHIP DATE: 03/01/2016		QUANTITY: 138,000 PCS		SHIP TO: 2821 LANGSTAFF ROAD THYSSENKRUPP CANADA CONCORD, ON L4K 5C6 CANADA	

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
200216231	0001	50.4	47.9	15.3	RE	96	N/A	N/A
200216231	0001	50.3	48.2	16.3	RE	92	N/A	N/A
200216231	0001	50.2	47.8	16.2	RE	93	N/A	N/A
200216231	0001	50.5	47.9	15.3	RE	94	N/A	N/A
200216231	0001	50.9	48.3	15.7	RE	93	N/A	N/A
200216231	0001	49.4	46.6	13.8	RE	92	N/A	N/A
200216231	0001	48.4	45.7	14.8	RE	93	N/A	N/A
200216231	0001	50.7	48.2	15.5	RE	93	N/A	N/A
200216231	0001	49.8	47.2	16.6	RE	92	N/A	N/A
200216231	0001	50.4	47.9	15.3	RE	96	N/A	N/A
200216231	0001	50.3	48.2	16.3	RE	92	N/A	N/A
200216231	0001	50.2	47.8	16.2	RE	93	N/A	N/A
200216231	0001	50.5	47.9	15.3	RE	94	N/A	N/A
200216231	0001	50.9	48.3	15.7	RE	93	N/A	N/A
200216231	0001	49.4	46.6	13.8	RE	92	N/A	N/A
200216231	0001	48.4	45.7	14.8	RE	93	N/A	N/A
200216231	0001	50.7	48.2	15.5	RE	93	N/A	N/A
200216231	0001	49.8	47.2	16.6	RE	92	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ba	Tot
Maximum	0.80	0.70	0.40	0.15	0.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.30	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105937	.75	.28	.28	.10	.94	.09	.04	.02	.00	.00	.00	.01	.04


### Applicable Requirements:

PER ASTM-B221-4, STENCILED ASME-SB22.2009 SECT II PER AMS-Q2-A-2C0/8A, UNS# A96061  
 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL  
 PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
 MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY  
 OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

PO/Ret 32341  
 We certify that this is a true copy of the report  
 furnished by the producer of the metal, or data  
 resulting from tests made in approved labs.

Signed by:   
 BL PEC-991029-016  
 13 May 16  
 Pg 2/2



CERTIFIED TEST REPORT  
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
 FABRICATED PRODUCTS, LLC  
 5205 KAISER DRIVE  
 KALAMAZOO, MI 49048

**CERTIFICATION**

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been  
 inspected and tested and found in conformance with applicable specifications forming a part of the  
 description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on  
 Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

*Almee L. Macnowski*

Almee L. Macnowski, Quality & Technology Manager

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS  
3.75" DIA X 144.0000"

PART NO.

PO/Ref 32341

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-991029-002

Signed by:

13 May 16  
Pg 1/1



740 Imperial Road North

Certificate: 117435 8

Customer: 007206 001

Mail To:

THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Your Order:

PEC270633

NAS Order: PN 0058864 02

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
ASTM A582/12 EN 10204 3.1, ASTM A484/11  
AMS 5640U TYPE 1, Q08-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

Ship To:

THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 11/24/2015 Page: 1

Steel: 303

Finish: CD

Corrosion:

### REMARKS:

COMPLIES W/REQUIREMENTS OF DPA 252.225-7609 EU DIRECTIVE  
2011/65/EU. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

4/18/17  
9740

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH6027 4		.3750		1.118	144.00	6	1	

### CHEMICAL ANALYSIS

CM(Country of Mill) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/08

CM	C %	CO %	CR %	CU %	MO %	N %	NI %	P %
US	.0404	.2055	17.1105	.3800	1.7915	.3105	.0415	8.4105

S %	SI %
.3240	.4915

### MECHANICAL PROPERTIES

Product Id	1 d	HB	.2YS	UTS	RA	Elong
BH6027 4	R L	226.0	94.68	110.32	39.06	30.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

ASBraw

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
ALUMINUM SQUARE BAR 6061-T6511  
1.250" X 1.44.0000"  
PART NO.

PO/Rel 32341

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

Signed by:

BL PEC-991029-009

13 May 16  
Pg 1/1



### Service Center Metals

5850 Quality Way  
Prince George, VA 23875

Can Do.

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

BILL TO ThyssenKrupp Materials NA-Concord, ON	MANIFEST NUMBER 284313	DIE NUMBER MSQ1866	DATE OF SHIPMENT 2/5/2016	OUR ORDER NUMBER 254395	ITEM 2
SHIP TO ThyssenKrupp Materials NA-Concord, ON	CUSTOMER PO PEC-272884	ALLOW/TEMPER 6061-T6511	SALES PERSON D. Schroeder (Canada)	CERTIFICATION ASTM-B221-14 Stencil Cont	
Quantity Certified 1,068 lbs 48 pcs	CUSTOMER PART NUMBER MSQ1866	DESCRIPTION MSQ T-250 (+.012/-0.00)		SPECIFICATION AMS-QQA-200/8 - 1997	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

### Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
4	201601833	2/3/16	min 47.50 max 49.70	min 44.60 max 46.00	min 11.35 max 15.05

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Others	Melt Source:
01281603	201601833	6061	0.71	0.35	0.30	0.10	0.92	0.08	0.10	0.02	97.42	0.05	0.15		United States of America

SCM extrusions are manufactured in the USA.

*John J. Wiggins*  
John J. Wiggins, Director of Quality & Technical Services

Print Date: 2/5/2016

CERTIFIED TEST REPORT  
<http://Online.KaiserAluminum.com>

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Best in Class*

KAISER ALUMINUM  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-271927-7		SHIP DATE: 01/05/2016		SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA	
CUSTOMER PART NUMBER: R86/STK		SHIP ORDER NUMBER: 007		SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA	
PRODUCT DESCRIPTION: 0.500 +/- .004 ROD		QUANTITY: 352.000 PCS		SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA	
Kaiser Lot Number: 6061		B/L NUMBER: 614362		SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA	
Alloy: 6061		DIN/ASTM/THKMS: 6061		SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA	
Temper: T6511		LENGTH: 12.000 FT		SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA	

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
64732-109	0001	45.5	41.4	20.6	RE	95	N/A	N/A
64732-109	0002	45.3	41.3	21.7	RE	95	N/A	N/A
64732-109	0003	45.2	41.3	21.7	RE	95	N/A	N/A
64732-109	0004	45.6	41.7	19.0	RE	94	N/A	N/A
64732-109	0005	45.3	41.0	17.5	RE	93	N/A	N/A

LIMITS	SI	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ba	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	0.03	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.03	NA	NA	NA	0.00	0.00
A35550	.76	.32	.28	.09	.92	.10	.04	.02	.03	.00	.00	.01	.03

Applicable Requirements:

ASME-B221-14 NON-STENCILED ASME-SB221 1998 SECT II, AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other temper)

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

CERTIFIED TEST REPORT  
<http://Online-Kaiseraluminum.com>

**KAISER**  
ALUMINUM  
FABRICATED PRODUCTS

KAISER ALUMINUM  
5205 KAISER DRIVE  
FABRICATED PRODUCTS, LLC  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-272831-2		CUSTOMER PART NUMBER: R74/STK		PRODUCT DESCRIPTION: KAISERSELECT PRECISION ROD 1.500+/- .005	
KAISER ORDER NUMBER: LINE ITEM: 002	SHIP DATE: 01/29/2016	KAISER LOT NUMBER: 6061	ALLOY: T6511B	TEMPER: 12.000 FT	LENGTH: 12.000 FT
WEIGHT SHIPPED: 5235.000 LB	QUANTITY: 210.000 PCS	B/L NUMBER: 614616	SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA		
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA					

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
200262325	0001	0001	53.5	51.4	18.7	RE	96	N/A
200262325	0001	0002	53.7	51.6	17.7	RE	94	N/A
200262325	0001	0003	53.0	50.9	18.7	RE	96	N/A
200262325	0001	0004	53.4	51.2	19.2	RE	96	N/A
200262325	0001	0005	53.3	51.1	19.6	RE	96	N/A
200262325	0001	0006	53.2	51.0	17.2	RE	94	N/A
200262325	0001	0007	53.3	51.1	19.1	RE	94	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105773	.75	.26	.28	.09	.92	.09	.06	.02	.00	.00	.00	.01	.03

### Applicable Requirements:

PER ASTM-B221-14, SPECIFIED ASME-SB221 2009 SECT II, PER AMS-00-A-200/82, UNS# A96061  
MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL  
PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY  
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00214096  
Kaiser Order Number: 6002146  
Line Item: 002



BL PEC-991029-017

Signed by: 

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

PO/REL 32341

THYSSENKRUPP MATERIALS NA  
DART AEROSPACE  
ALUMINUM ROUND BAR 6061-T6511  
1.50" DIA X 144.0000"  
PART NO.

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

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CERTIFIED TEST REPORT  
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

*Almeo L. Macnowski*  
Almeo L. Macnowski, Quality & Technology Manager

# THYSSENKRUPP MATERIALS NA

## DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
1.50" x 2.50" X 144.0000"  
PART NO.

**Certificate of Mill Test Results**  
13 May 16  
Pg 1/1

PO/RI 32341

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210  
4111 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4  
<http://www.extrudex.com>

### MILL TEST

BILL TO THYSSENKRUPP MATERIALS NA	CERT CODE: 9	DIE NUMBER S 4660	DATE OF SHIPMENT Apr/07/2016	EXTRUDEX ORDER NO. 191718 - 2	MANIFEST NO. 346715
SHIP TO THYSSENKRUPP MATERIALS NA	CUSTOMER PO PEC-274011	ALLOY 6061	SALESMAN FORBES DODWELL	MADE IN CANADA	
SO DESCRIPTION 1.5"x2.5" FB	CUSTOMER PART NUMBER 4660-S	TEMPER T6511	PART DESCRIPTION 1.5"x2.5" FB	CERTIFICATION ASTM B221-14 - AMS QQA 200/8	

### Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell E	Conductivity
A.11	6061	Apr/06/2016	45.60	42.40	13.70	87.0, 87.1, 87.1	

### Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Al	Ca	Pb	Sn	Sr	Co	Al	Other
382167	A.11	6061	0.58	0.16	0.21	0.02	0.86	0.08	0	0.01	0.01	0	0	0	0	0	0	0

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# MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 32341134776  
 THICKNESS ORDERED 2.00X8.00  
 THICKNESS RECEIVED 2.00X8.00  
 SHEET SIZE ORDERED  
 SHEET SIZE RECEIVED

MATERIAL 140617632.00X8.00  
 DATE 16/05/17

MATERIAL CERT REC'D  
 QUANTITY RECEIVED 81  
 QUANTITY INSPECTED 81  
 QUANTITY REJECTED

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CERT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT # ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK	RECORD RESULTS BELOW	TYPE OF MATERIAL	SIZE OF TEST SAMPLE	HARDNESS DUROMETER READING
	HRC	HRB	DUR A	DUR D

Testers located in the Quality Office

**QC 18 INSPECTION**

INSPECTED BY DAS 14

SIGNED OFF BY \_\_\_\_\_ DATE \_\_\_\_\_

16/05/17

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

FORMS Quality Assurance Approved OAMRIF Material Receipt Inspection Form rev 1

MATERIAL RECEIPT INSPECTION FORM

MATERIAL

DATE \_\_\_\_\_

MAIERIAL CERT RFGD

QUANTITY RECEIVED

QUANTITY INSPECTED

(QUANTITY RECEIVED)

SHET 1 SIZE RECH (V1) D

Sheet Size Code (FEI)

RECEIVED CONFIDENTIALITY

THICKNESS OPERATED

PO BATCH NO

32341/134776

NCR	(Check Y/N)	DESCRIPTION	COMMENTS	
	Y	SURFACE DAMAGE		
	Y	CORRECT FINISH		
	Y	CORROSION		
	Y	CORRECT GRAIN DIRECTION		
	Y	CORRECT MATERIAL		
	Y	CORRECT THICKNESS		
	Y	PHOTO REQUIRED		
	Y	CORRECT MATERIAL		
	Y	CORRECT REF # TO LINK CERT		
	Y	CORRECT MATERIAL IDENTIFICATION		
	Y	CORRECT M# ON THE MATERIAL		
	Y	DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF		
	Y	DOES THIS REQUIRE AN EXTRUSION REPORT		

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

		HAB	DUR A	DUR D	

TYPE OF MATERIAL  
SIZE OF TEST SAMPLE  
HARDNESS / DUROMETER READING

Posters located in the Quality Office

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY \_\_\_\_\_

DATE \_\_\_\_\_

INSPECTED BY \_\_\_\_\_

DATE \_\_\_\_\_

OC 18 INSPECTION

Attach this inspection sheet with the corresponding material cert and permit to be scanned and received in

FORMS Quality Assurance Approved OAMRIF Material Receipt Inspection Form revb

# MATERIAL RECEIPT INSPECTION FORM

PO BATCH NO 32341/134776  
 THICKNESS ORDERED 1.500X2.500  
 THICKNESS RECEIVED 1.500X2.500  
 SHEET SIZE ORDERED \_\_\_\_\_  
 SHEET SIZE RECEIVED \_\_\_\_\_

MATERIAL AL6061T6 DATE 16/05/17  
 QUANTITY ORDERED 42 QUANTITY INSPECTED 12  
 QUANTITY RECEIVED 12 QUANTITY REJECTED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT # ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF?	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK			
RECORD RESULTS BELOW			
HRC	HRB	DUR A	DUR B
TYPE OF MATERIAL			
SIZE OF TEST SAMPLE			
HARDNESS / DUREMETER READING			

Testers located in the Quality Office

**QC 18 INSPECTION**  
 INSPECTED BY [Signature] DATE 16/05/17  
 SIGNED OFF BY \_\_\_\_\_  
 ENGINEERING SIGNOFF (if required) \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL NO. 1610517  
 DATE 12/12/17

QUANTITY RECEIVED 12  
 QUANTITY INSPECTED 12  
 QUANTITY REM. (C) 12

THICKNESS ORDERED 2.50X3.50  
 THICKNESS RECEIVED 2.50X3.50  
 SHEET SIZE ORDERED  
 SHEET SIZE RECEIVED

PO/BATCH NO 32341131776

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CERT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT # ON THE MATERIAL	Y	
DON'T THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DON'T THIS REQUIRE AN EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK			
RECORD RESULTS BELOW	HRC	HRB	DUR A
TYPE OF MATERIAL			
SIZE OF TEST SAMPLE			
HARDNESS DUROMETER READING			

Tests located in the Quality Office

**QC 18 INSPECTION**

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY \_\_\_\_\_

DATE 12/12/17

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



MATERIAL RECEIPT INSPECTION FORM

MATERIAL

21 VU

MATERIAL CCB1 RFGD

QUANTITY RECEIVED

$$(17_2) \quad \text{KOSN} \rightarrow \text{KAVGO}$$

(12)  $\vdash B \wedge \dots \wedge N V^{(n)}$

24  
24  
24

SHIPPING SIZE RECHARGE

SHIRT SIZE (CIRCLED)

(1) (A) RESS INX(0)00

THICKNESS OF THE

R.570  
R.570

R.570  
R.570

SIN-3WW(0)

DESCRIPTION	Y/N	Check	NCR
SURFACE DAMAGE	Y		
CORRECT FINISH	Y		
CORROSION	Y		
CORRECT GRAIN DIRECTION	Y		
CORRECT MATERIAL	Y		
CORRECT THICKNESS	Y		
PHOTO REQUIRED	Y		
CORRECT MATERIAL	Y		
CORRECT REF # TO LINK CERT	Y		
CORRECT MATERIAL IDENTIFICATION	Y		
CORRECT M# ON THE MATERIAL	Y		
DON'T THIS MATERIAL REQUIRE	N		
ENGINEERING SIGN OFF	Y		
DON'T THIS REQUIRE AN	Y		
EXCLUSION AT PORT	Y		

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

RECORD RESULTS BELOW		TYPE OF MATERIAL		SIZE OF TEST SAMPLE		HARDNESS / DUROMETER READING	
HRC							
HRB							
DUR A							
DUR D							

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

**QC 18 INSPECTION**

DAS

11

68-4

INSPECTED BY

DATE \_\_\_\_\_

71951

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

HyFORMS Quality Assurance Approved OAMRIF Material Receipt Inspection Form rev3

# MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 32341134776

MATERIAL M606116 R.625  
DATE 16/05/17

MATERIAL CERT REC'D  
QUANTITY RECEIVED 12  
QUANTITY INSPECTED 12  
QUANTITY REJECTED

THICKNESS ORDERED R.625  
THICKNESS RECEIVED R.625  
SHEET SIZE ORDERED  
SHEET SIZE RECEIVED

DESCRIPTION  
NCR (Check Y/N)

SURFACE DAMAGE  
CORRECT FINISH  
CORROSION  
CORRECT GRAIN DIRECTION  
CORRECT MATERIAL  
CORRECT THICKNESS  
PHOTO REQUIRED  
CORRECT MATERIAL  
CORRECT REF # TO LINK CERT  
CORRECT MATERIAL IDENTIFICATION  
CORRECT M# ON THE MATERIAL  
DOES THIS MATERIAL REQUIRE  
ENGINEERING SIGN OFF?  
DOES THIS REQUIRE AN  
EX TENSION REPORT

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

TYPE OF MATERIAL	SIZE OF TEST SAMPLE	HARDNESS / DUROMETER READING
HRC	HRB	DUR A
DUR D		

Testers located in the Quality Office

**QC 18 INSPECTION**  
ENGINEERING SIGNOFF (if required)  
INSPECTED BY  
DATE 16/05/17  
SIGNED OFF BY  
DATE

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL MILITARY R.00

DATE 10/05/17

MATERIAL (GROSS WEIGHT) 40.12

QUANTITY RECEIVED 12

QUANTITY INSPECTED 12

QUANTITY REJECTED

PO / BATCH NO 3234/134776

THICKNESS ORDERED R.00

THICKNESS RECEIVED R.995

SHEET SIZE ORDERED

SHEET SIZE RECEIVED

DESCRIPTION  
NCR (Check Y/N)

SURFACE DAMAGE

CORRECT FINISH

CORROSION

CORRECT GRAIN DIRECTION

CORRECT MATERIAL

CORRECT THICKNESS

PHOTO REQUIRED

CORRECT MATERIAL

CORRECT REF # TO LINK CLRT

CORRECT MATERIAL IDENTIFICATION

CORRECT # ON THE MATERIAL

DON'T THIS MATERIAL REQUIRE ENGINEERING SIGN OFF?

DON'T THIS REQUIRE AN EXTRUSION REPORT?

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

HRC	HRB	DUR A	DUR B

TYPE OF MATERIAL  
SIZE OF TEST SAMPLE  
HARDNESS / DUROMETER READING

Testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY

DATE 10/05/17

SIGNED OFF BY

DATE

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

FORMS/Quality Assurance/Approved OAMRIF Material Receipt Inspection Form revB

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: ML00176R1500 DATE: 16/05/17  
 QUANTITY RECEIVED: 400  
 QUANTITY INSPECTED: 12  
 QUANTITY REJECTED: 12

THICKNESS ORDERED: R1500  
 THICKNESS RECEIVED: R1500  
 SHEET SIZE ORDERED: 3234/134776  
 SHEET SIZE RECEIVED: 3234/134776

COMMENTS

DESCRIPTION	NCR	Check	Y/N
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
 RECORD RESULTS BELOW

TYPE OF MATERIAL	SIZE OF TEST SAMPLE	HARDNESS / DUREMETER READING
HRC	HRB	DUR A
		DUR D

Testers located in the Quality Office

**QC 18 INSPECTION**

INSPECTED BY: 14 DATE: 16/05/17  
 SIGNED OFF BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**ENGINEERING SIGNOFF (if required)**

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

FORMS Quality Assurance Approved OAMRIF Material Receipt Inspection Form revB

# MATERIAL RECEIPT INSPECTION FORM

PO : BATCH NO 3234/134776  
 THICKNESS ORDERED R.750  
 THICKNESS RECEIVED R.750  
 SHEET SIZE ORDERED  
 SHEET SIZE RECEIVED

MATERIAL H174R.350  
 DATE 16/05/17  
 MATERIAL CERT REC'D 440  
 QUANTITY RECEIVED 24  
 QUANTITY INSPECTED 24  
 QUANTITY REJECTED

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROS ON	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
P/OTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CLR	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT # ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
 RECORD RESULTS BELOW

HRC	HRB	DUR A	DUR D

TYPE OF MATERIAL  
 SIZE OF TEST SAMPLE  
 HARDNESS DUNOMETER HEAD NO

Testers located in the Quality Office

**QC 18 INSPECTION**

INSPECTED BY 14  
 DATE 16/05/17

SIGNED OFF BY  
 DATE

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 3234/134776

MATERIAL M303 R2.00  
 DATE 16/05/17  
 MATERIAL CERT REC'D 13.200  
 QUANTITY RECEIVED 13.200  
 QUANTITY INSPECTED 13.200  
 QUANTITY REMAINTED

THICKNESS ORDERED R2.00  
 THICKNESS RECEIVED R2.00  
 SHEET SIZE ORDERED  
 SHEET SIZE RECEIVED

DESCRIPTION  
 NCR (Check Y/N)  
 COMMENTS

- ☒ SURFACE DAMAGE
- ☒ CORRECT FINISH
- ☒ CORROSION
- ☒ CORRECT CHAIN DIRECTION
- ☒ CORRECT MATERIAL
- ☒ CORRECT THICKNESS
- ☒ PHOTO REQUIRED
- ☒ CORRECT MATERIAL
- ☒ CORRECT REF # TO LINK CERT
- ☒ CORRECT MATERIAL IDENTIFICATION
- ☒ CORRECT M# ON THE MATERIAL
- ☒ DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF
- ☒ DOES THIS REQUIRE AN EXTRUSION REPORT

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK			
RECORD RESULTS BELOW			
HRC	HRB	DUR A	DUR B

Testers located in the Quality Office

**QC 18 INSPECTION**

INSPECTED BY DAS DATE 16/05/17

SIGNED OFF BY \_\_\_\_\_ DATE \_\_\_\_\_

**ENGINEERING SIGNOFF (if required)**

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

FORMS\Quality Assurance\Approved OAMRIF Material Receipt Inspection Form rev1



# MATERIAL RECEIPT INSPECTION FORM

PO : BATCH NO

32341/134776

MATERIAL

H303 R.750

DATE

16/05/17

MATERIAL CERT REC'D

480

QUANTITY REC'D

481

QUANTITY INSPI CIED

481

QUANTITY REL CIED

THICKNESS ORDERED

R.750

THICKNESS RECEIVED

R.746

SHEET SIZE ORDERED

SHEET SIZE RECEIVED

DESCRIPTION

NCR (Check Y/N)

SURFACE DAMAGE

Y

CORRECT FINISH

Y

CORROSION

Y

CORRECT GRAIN DIRECTION

Y

CORRECT MATERIAL

Y

CORRECT THICKNESS

Y

PHOTO REQUIRED

Y

CORRECT MATERIAL

Y

CORRECT REF # TO LINK CERT

Y

CORRECT MATERIAL IDENTIFICATION

Y

CORRECT # ON THE MATERIAL

Y

DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF

Y

DOES THIS REQUIRE AN EXTRUSION REPORT

Y

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
RECORD RESULTS BELOW

HRC	HRB	DUR A	DUR B

TYPE OF MATERIAL  
SIZE OF TEST SAMPLE  
HARDNESS / DUROMETER READING

Testers located in the Quality Office

QC 18 INSPECTION  
ENGINEERING SIGNOFF (if required)

INSPECTED BY

14

SIGNED OFF BY

DATE

16/05/17

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

FORMS Quality Assurance Approved OAMRIF Material Receipt Inspection Form revb

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL MATERIAL B. 250X3.00 DATE 16/05/17  
 QUANTITY RECEIVED 12  
 QUANTITY INSPECTED 12  
 QUANTITY REJECTED 0  
 MATERIAL CERT REC'D yes  
 THICKNESS ORDERED 750X3.00  
 THICKNESS RECEIVED 750X3.00  
 SHEET SIZE ORDERED 750X3.00  
 SHEET SIZE RECEIVED 750X3.00  
 PO / BATCH NO 32341134776

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CTR	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT # ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOT THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK			
HARDNESS / DUROMETER READING	TYPE OF MATERIAL	SIZE OF TEST SAMPLE	TESTS LOCATED IN THE QUALITY OFFICE
	HRC	HRB	DUR A
			DUR D

**QC 18 INSPECTION**  
 INSPECTED BY 16/05/17  
 SIGNED OFF BY \_\_\_\_\_  
 DATE \_\_\_\_\_  
 ENGINEERING SIGNOFF (if required) \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: AL6X176.750X125 DATE: 12/16/17  
 QUANTITY RECEIVED: 400  
 QUANTITY INSPECTED: 400  
 QUANTITY REJECTED: 0  
 THICKNESS ORDERED: 750X.125  
 THICKNESS RECEIVED: 750X.125  
 SHEET SIZE ORDERED: 3234/134776  
 SHEET SIZE RECEIVED: 3234/134776  
 PO / BATCH NO: 3234/134776

DESCRIPTION	NCR (Check Y/N)	Y	N
SURFACE DAMAGE	<input checked="" type="checkbox"/>		
CORRECT FINISH	<input checked="" type="checkbox"/>		
CORROSION	<input checked="" type="checkbox"/>		
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>		
CORRECT MATERIAL	<input checked="" type="checkbox"/>		
CORRECT THICKNESS	<input checked="" type="checkbox"/>		
PHOTO REQUIRED	<input checked="" type="checkbox"/>		
CORRECT MATERIAL	<input checked="" type="checkbox"/>		
CORRECT REF # TO LINK CLRT	<input checked="" type="checkbox"/>		
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>		
CORRECT MPN ON THE MATERIAL	<input checked="" type="checkbox"/>		
DOS THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>		
DOS THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>		

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK  
 RECORD RESULTS BELOW

HRC	HRB	DUR A	DUR D

TYPE OF MATERIAL: \_\_\_\_\_  
 SIZE OF TEST SAMPLE: \_\_\_\_\_  
 HARDNESS / DUROMETER READING: \_\_\_\_\_

Testers located in the Quality Office

**QC 18 INSPECTION**

INSPECTED BY: 12/16/17  
 DATE: 12/16/17  
 SIGNED OFF BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO: BATCH NO 3234/134771

MATERIAL	DATE	QUANTITY RECEIVED	QUANTITY INSPECTED	QUANTITY RELEASED
ALUMINUM	11/05/77	40	12	12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CLRT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT # ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE	Y	
ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN	Y	
EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK			
RECORD RESULTS BELOW			
TYPE OF MATERIAL	HRC	HRB	DUR A
SIZE OF TEST SAMPLE			
HARDNESS / DUROMETER READING			

Testers located in the Quality Office

ENGINEERING SIGNOFF (if required) \_\_\_\_\_  
 QC 18 INSPECTION \_\_\_\_\_  
 OAS \_\_\_\_\_  
 14 \_\_\_\_\_  
 907 \_\_\_\_\_  
 16/09/17 \_\_\_\_\_  
 SIGNED OFF BY \_\_\_\_\_  
 DATE \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and email to be scanned and received in

FORMS Quality Assurance approved OAMRF Material Receipt Inspection Form rev B

# MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 32341134776  
 THICKNESS ORDERED 1.25X1.25  
 THICKNESS RECEIVED 1.25X1.25  
 SHEET SIZE ORDERED \_\_\_\_\_  
 SHEET SIZE RECEIVED \_\_\_\_\_

MATERIAL H66117A1.250X1.25 DATE 1/10/2017  
 MATERIAL CERT RECD 4/3  
 QUANTITY RECEIVED 12  
 QUANTITY INSPECTED 12  
 QUANTITY REJECTED \_\_\_\_\_

DESCRIPTION	NCR	(Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	Y	
CORRECT FINISH	<input checked="" type="checkbox"/>	Y	
CORROSION	<input checked="" type="checkbox"/>	Y	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	Y	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	Y	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	Y	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	Y	
CORRECT # ON THE MATERIAL	<input checked="" type="checkbox"/>	Y	
DOT S THIS MATERIAL REQUIRE	<input checked="" type="checkbox"/>	Y	
DOT S THIS MATERIAL REQUIRE	<input checked="" type="checkbox"/>	Y	
ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	Y	
DOES THIS REQUIRE AN	<input checked="" type="checkbox"/>	Y	
EXTRUSION REPORT	<input checked="" type="checkbox"/>	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK	RECORD RESULTS BELOW
TYPE OF MATERIAL	HRC
SIZE OF TEST SAMPLE	HRB
HARDNESS / DUROMETER READING	DUR A
	DUR D

Testers located in the Quality Office

**QC 18 INSPECTION**  
 INSPECTED BY \_\_\_\_\_  
 DATE 1/10/2017  
 SIGNED OFF BY \_\_\_\_\_  
 DATE \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

H FORMS Quality Assurance Approved OAMRIF Material Receipt Inspection Form Rev 1

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL 1304B.20X4.00 DATE 10/05/17  
 QUANTITY RECEIVED 400  
 QUANTITY INSPECTED 12  
 QUANTITY REMAILED 12  
 MATERIAL CERT. REC'D  
 THICKNESS ORDERED 250X4.00  
 THICKNESS RECEIVED 250X4.00  
 SHEET SIZE ORDERED  
 SHEET SIZE RECEIVED  
 PO / BATCH NO 3234/134776

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	N	
CORROSION	Y	
CORRECT GRAIN DIRECTION	N	
CORRECT MATERIAL	N	
CORRECT THICKNESS	N	
PHOTO REQUIRED	N	
CORRECT MATERIAL	N	
CORRECT REF # TO LINK CERT	N	
CORRECT MATERIAL IDENTIFICATION	N	
CORRECT # ON THE MATERIAL	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EX TENSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK

RECORD RESULTS BELOW

HRC	HRB	DUR A	DUR D

TYPE OF MATERIAL

SIZE OF TEST SAMPLE

HARDNESS / DUROMETER READING

Tests located in the Quality Office

**QC 18 INSPECTION**

ENGINEERING SIGNOFF (if required)

INSPECTED BY 14 033 16/05/17

SIGNED OFF BY

DATE

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

1-4 (ORMS) Quality Assurance Approved OAMRIF Material Receipt Inspection Form rev 15



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID P032341  
Purchase Order Date 5/11/2016  
PO Print Date 5/11/2016  
Page Number 1 of 8

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CANADA

E-MAILED

MAY 11 2016

Contact Name  
Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

FOB

FCA - (Free Carrier)

Currency

CAD

Terms

Net 30

Customer Tax #

10127-2607

Customer POID

Chantal Lavoie

Line Reference  
Vendor Part Number

Line Comments  
Delivery Comments

M174R0.750

Description/  
Mfg ID

17-4 round bar .750

Reg Date/  
Taxable

5/18/2016

Yes

5/18/2016

Reg Qty/  
Unit of  
Measure

24.00

f

2x

17-4PH/S17400/TYPE 630 SS ROUND BAR PER AMS 5643/ASTM A564  
GRAIN MUST BE ALONG LENGTH OF BAR. MINIMUM YIELD TENSILE STRENGTH = 100KSI  
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

303 Round Bar 0.375"

5/18/2016

Yes

5/18/2016

24.00

f

2x

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total:

\$45.00

Line Total:

\$161.11

PO Instructions: NO PEC ST-925618

Note:

5/11/2016





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID P032341  
Purchase Order Date 5/11/2016  
PO Print Date 5/11/2016  
Page Number 2 of 8

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL-C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CANADA

Contact Name  
Vendor Phone

905 669 9444

Ship To Contact  
Ship To Phone  
Ship Via:  
Ship Acct:

VENDOR'S TRUCK

Buyer  
Customer POID  
Customer Tax #  
Terms  
Currency  
FOB

Chantal Lavoie  
10127-2607  
Net 30  
CAD  
FCA - (Free Carrier)

5/18/2016

Yes

303 Round Bar 0.750

M303R0.750

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

5/18/2016

Yes

303 ROUND BAR 2"

M303R2.000

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

5/18/2016

Yes

304 BAR .250 x 4.00

M304B0.250X4.000

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS

AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

PO Instructions: NO PEC ST-925618

Note:

5/11/2016

\$111.16

\$9.26

\$253.70

Line Total:

\$253.70

\$19.22

\$191.04

Line Total:

\$191.04

\$3.98

8/16/25/16



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID PO32341

Purchase Order Date 5/11/2016  
PO Print Date 5/11/2016

Page Number 3 of 8

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL-C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
Ship To Contact  
Ship To Phone  
Ship Via:  
Ship Acct:

VENDOR'S TRUCK

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

Line Total: \$111.16

\$73.60

Line Total: \$73.60

\$57.00

Line Total: \$57.00

5016-05-14

M6061T6B0.750X03.000

6061-T6 Bar .750 x 3.00

5/18/2016  
Yes

MATERIAL: 6061-T6/T6510/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

M6061T6B00750X00.125

6061-T6 Bar .750 x .125

5/18/2016  
Yes

MATERIAL: 6061-T6/T6510/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

PO Instructions: NO PEC ST-925618  
Note:

5/11/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID PO32341

Purchase Order Date 5/11/2016  
PO Print Date 5/11/2016

Page Number 4 of 8

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

Contact Name  
Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

FOB

Currency

Terms

Customer Tax #

Customer POID

Buyer

Chantal Lavoue

10127-2607

Net 30

CAD

FCA - (Free Carrier)

5/18/2016  
Yes

6061-T6 Bar 1.00 x 4.00

M6061T6B1.000X04.000

MATERIAL: 6061-T6/T6510/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR ASTM B211 OR  
ASTM B221

5/18/2016  
Yes

6061-T6 Bar 1.25 x 1.25

M6061T6B1.250X01.250

MATERIAL: 6061-T6/T6510/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR ASTM B211 OR  
ASTM B221

5/18/2016  
Yes

6061-T6 Bar 1.25 X 4.50

M6061T6B1.250X04.500

MATERIAL: 6061-T6/T6510/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

PO Instructions: NO PEC ST-925618  
Note:

5/11/2016

5/16/05-16

12.00

\$14.81

\$177.75

Line Total:

\$52.20

12.00

\$4.35

\$52.20

Line Total:

\$140.04

12.00

\$11.67

\$140.04



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# PURCHASE ORDER

Purchase Order ID PO32341  
Purchase Order Date 5/11/2016  
PO Print Date 5/11/2016

Page Number 5 of 8

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

Buyer Chantal Lavoie  
Customer POID 10127-2607  
Customer Tax # Net 30  
Terms CAD  
Currency FCA - (Free Carrier)  
FOB

Contact Name Vendor Phone 905 669 9444  
Ship To Contact Ship To Phone Ship Via: Ship Acct:  
VENDOR'S TRUCK

Line Total: \$177.75  
\$11.25  
\$135.00

Line Total: \$135.00  
\$48.09  
\$384.72

Line Total: \$384.72

NOTE: CUT IN HALF  
MATERIAL: 6061-T6/T6510/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

12 M6061T6B2.000X08.000  
6061-T6 BAR 2.00" X 8.00" (CUT IN 4FT SECTION)  
5/18/2016 Yes

MATERIAL: 6061-T6/T6510/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

11 M6061T6B1.500X02.500  
6061-T6 Bar 1.50 x 2.50  
5/18/2016 Yes



Dart Aerospace Ltd.  
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**PURCHASE ORDER**  
Purchase Order ID PO32341

Purchase Order Date 5/11/2016  
PO Print Date 5/11/2016

Page Number 6 of 8

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Buyer Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

CAD

FOB FCA - (Free Carrier)

13 M6061T6B2.500X03.500

6061-T6 Bar 2.50 x 3.50

5/18/2016  
Yes

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

6061-T6 Round Bar .500"

5/18/2016  
Yes

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

14 M6061T6R0.500

6061-T6 Round Bar .500"

5/18/2016  
Yes

6061-T6 Round Bar .625"

5/18/2016  
Yes

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

15 M6061T6R0.625

PO Instructions: NO PEC ST-925618  
Note:

5/11/2016

8016-0516

12.00

\$3.75

\$45.00

Line Total:

\$45.60

24.00

\$1.90

\$45.60

Line Total:

\$276.75

12.00

\$23.06

\$276.75



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# PURCHASE ORDER Purchase Order ID PO32341

Purchase Order Date 5/11/2016  
PO Print Date 5/11/2016

Page Number 7 of 8

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

Contact Name  
Vendor Phone 905 669 9444  
Ship To Contact  
Ship To Phone  
Ship Via:  
Ship Acct:

VENDOR'S TRUCK

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

16 M6061T6R1.000"  
ROUND BAR 1.00"  
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

17 M6061T6R1.500"  
6061-T6 Round Bar 1.50  
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$45.00  
\$3.75  
\$45.00

Line Total: \$45.00  
\$4.88  
\$58.50

Line Total: \$58.50

PO Instructions: NO PEC ST-925618  
Note:

5/11/2016



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Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO32341  
Purchase Order Date 5/11/2016  
PO Print Date 5/11/2016

Page Number 8 of 8

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
Ship To Contact  
Ship To Phone  
Ship Via:  
Ship Acct:  
VENDOR'S TRUCK  
Buyer  
Customer POID  
Customer Tax #  
Terms  
Currency  
FOB  
FCA - (Free Carrier)

18 M7075T6B5.000X0.375 7075-T6 BAR 5.000" X 0.375" 5/25/2016 12.00 \$25.42 \$305.00

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

NOTE: ACCEPTABLE FOR APICAL CABLE CUTTER PARTS

19 71401-45 PROCUREMENT QUALITY CLAUSES 5/18/2016 1.00 \$0.00 \$305.00

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification (as applicable)  
A017 raw material identification (as applicable)  
A026 certification of material performance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

5/18/2016  
No

Line Total: \$0.00  
PO Total: \$2,558.17

PO Instructions: NO PEC ST-925618

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 2  
Change Date: 5/11/2016